

# **Mid-Meeting Comments**

**J. Tompkins**



- ❖ **Short term focus – design for cost estimate**
- ❖ **Magnet Lists – reduce to manageable number of styles; review lists in one week**
  - ➔ **BDS – Cherrill**
    - ▶ **Highest priority due to CF&S activities w/ service tunnel**
  - ➔ **RTML - Vladimir**
  - ➔ **Main Linac – Vladimir**
- ❖ **Pursue Area Leaders for ‘costing’ lists**
  - ➔ **Sources**
  - ➔ **Damping rings**
- ❖ **Publish lists and ‘reduction to styles’**
  - ➔ **ILC wiki work – JCT responsibility**



❖ **Power supplies, cabling, etc.**

➡ **Work with Paul based on 'styles' list**

▶ **Not final, first pass rough cut**

➡ **Controls**

▶ *generic approach?*

❖ ***Facilities***

➡ ***Warm measurements***

➡ ***Cold testing and measurements***



❖ **Wigglers**

➡ **Mark – cost details**

❖ **Undulators**

➡ **Gianluca (not here to defend himself)**

▶ **Get Daresbury numbers**

▶ **Design meeting spec...?**

❖ **Solenoids**

➡ **Tbd**

❖ **Kickers, septum magnets**

➡ **Tom**

❖ **Muon spoilers**

➡ **Ross**



### **❖ What is missing?**

#### **➡ Test and Measurement**

##### **▶ Magnetic measurements and Alignment**

###### **♦ At vendors**

- **Provide equipment (?)**
- **Cost, support, control**

###### **♦ At ILC Laboratory**

- **Facilities**
- **Equipment**

##### **▶ Cold Test**

###### **♦ Facility needed at ILC Laboratory**

- **Cryogenic plant shared with SRF & accelerator?**
- **Cold test infrastructure**
- **Equipment**

#### **➡ Tunnel infrastructure**

##### **▶ Cable trays, LCW, AC power, etc – coordinate with CF&F**



### **❖ What is missing, cont.**

#### **➡ Spares**

- ▶ **Not typically part of 'total project cost'; but,**
- ▶ **Should be accounted for in procurements**
  - ◆ **Cost savings**
  - ◆ **'Lifetime' (interest) of suppliers**
- ▶ **Guidance from on high is needed**

#### **➡ Installation**

- ▶ **Different group and budget?**
  - ◆ **Cost and resources for checkout and installation support**

#### **➡ Commissioning**

- ▶ **Not part of 'total project cost' but some fraction or it occurs during installation...**

